

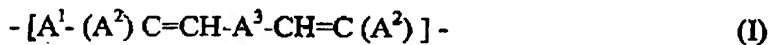
PATENT
512667-3479.2

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

In the Claims:

Claims 1-10 (cancelled)

11. (currently amended) An electroluminescent material comprising a polymer containing structural units of the formula (I)

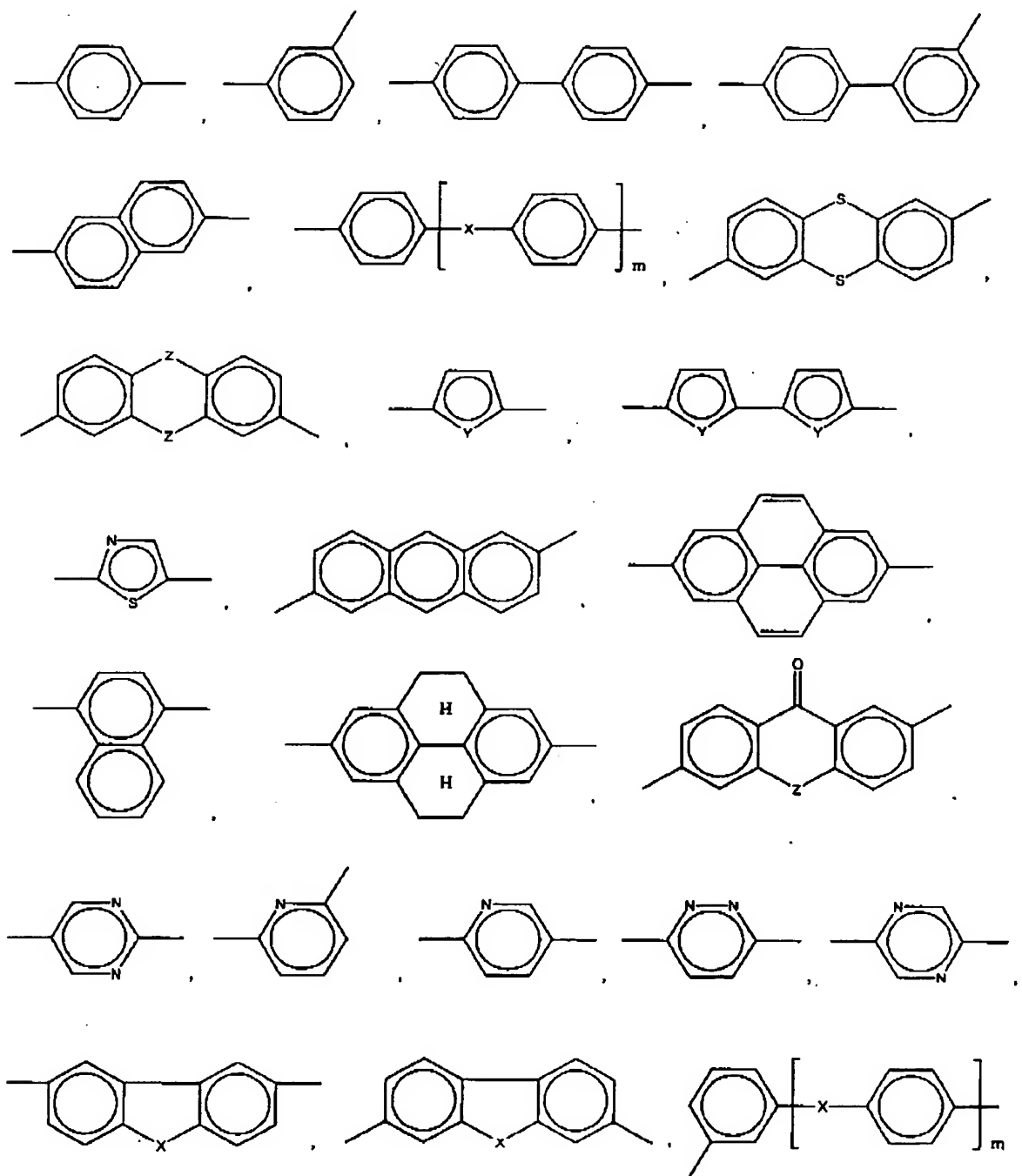


in which A^1 , A^2 and A^3 are identical or different mono- and/or polynuclear aryl and/or heteroaryl groups which are optionally linked via one or more bridges, and/or fused and can optionally be substituted, ~~and in which in each case two bonds originate from A^1 and A^3 and in each case one bond originates from A^2 .~~

12. (previously presented) The electroluminescent material as claimed in claim 11, wherein the polymer contains 2 to 1000 structural units of the formula (I).
13. (previously presented) The electroluminescent material as claimed in claim 11, wherein the symbols in the formula (I) - $[A^1 - (A^2) C=CH-A^3-CH=C (A^2)] - (I)$ have the following meaning:

A^1 , A^3 : are identical or different and are selected from

PATENT
512667-3479.2



where $m = 1$ to 20,

A^2 : has the same meanings as A^1 and A^3 and is identical to or different from A^1 and

PATENT
512667-3479.2

A³, of the two possible bonding sites to the polymer, in each case only one being realized;

A¹, A² and A³ can be substituted here independently of one another by one or more radicals R;

X: a single bond, -O-, -S-, -SO-, -SO₂-, -CRR-, -CR=CR-, ~~CH₂-CH₂-CH₂-CH₂-~~ or -CHR-CHR-;

Y: -O-, -S- or -NR'-;

Z: identical or different -O- or -S-;

R: identical or different at each occurrence and being H or an alkyl group having 1 to 12 carbon atoms, it also being possible for one or two non-adjacent CH₂ groups to be replaced by -O-, -S-, -CO-, -CO-O-, -O-OC- or -Si(CH₃)₂-, ~~CF₃-, Ph-, O-Ph-, S-Ph-, SO-Ph-, SO₂-Ph-, F-, Cl-, Br-, I- or -CN-~~;

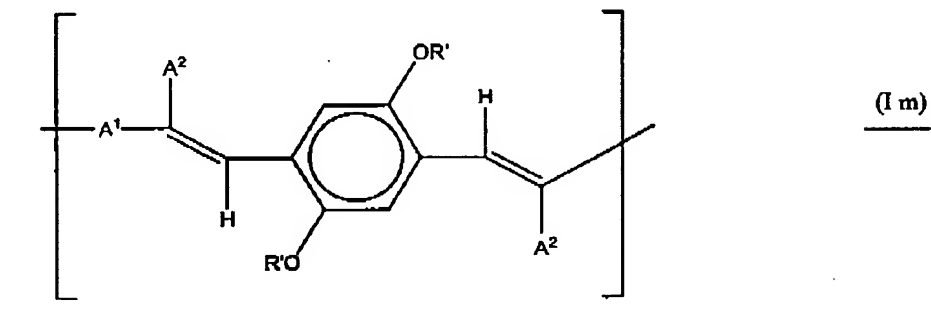
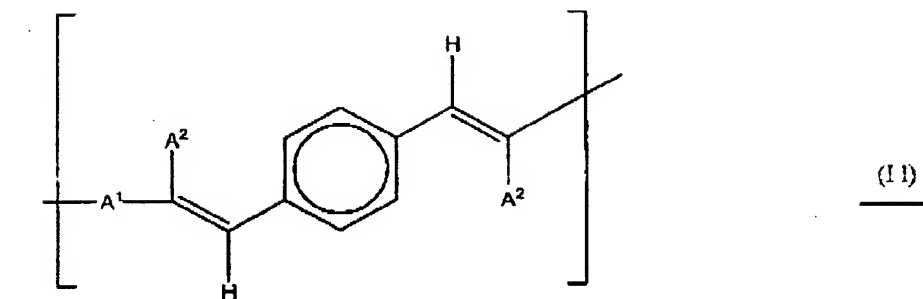
R': H, an alkyl group having 1 to 12 carbon atoms or -Ph.

14. (cancelled)

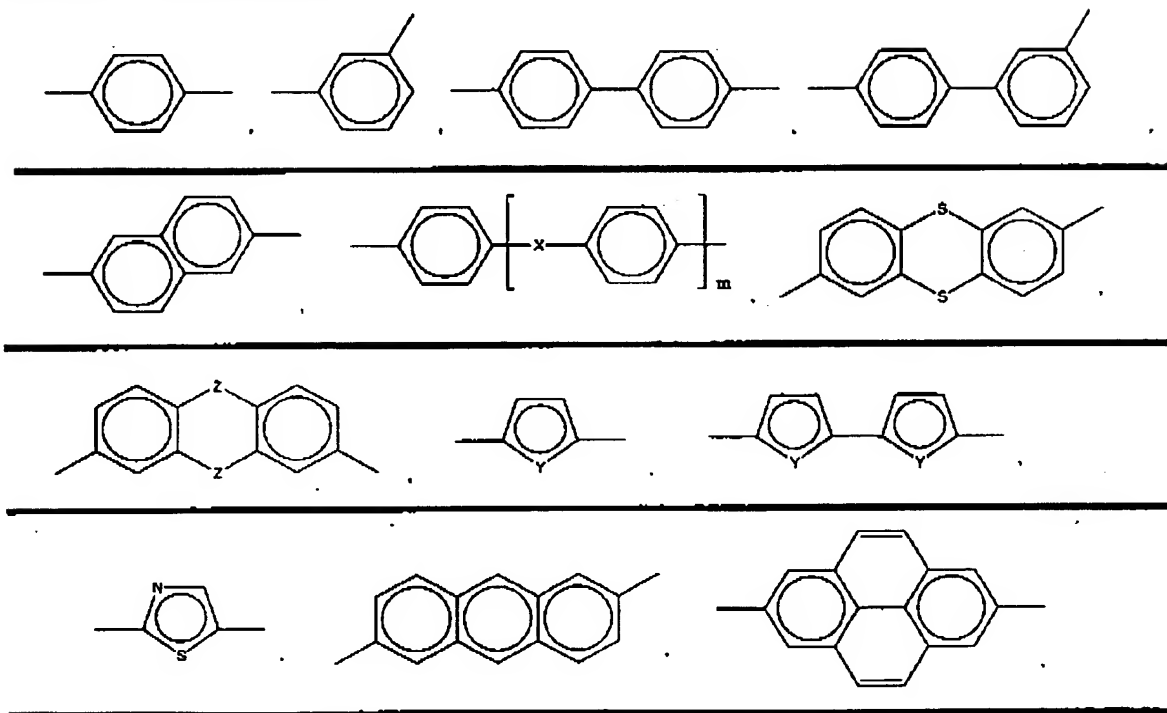
15. (cancelled)

16. (currently amended) The electroluminescent material as claimed in claim 11, ~~comprising a copolymer containing structural units of the formula (I) wherein the polymer~~ containing structural units of the formula (I) originates from the group (I l) or (I m):

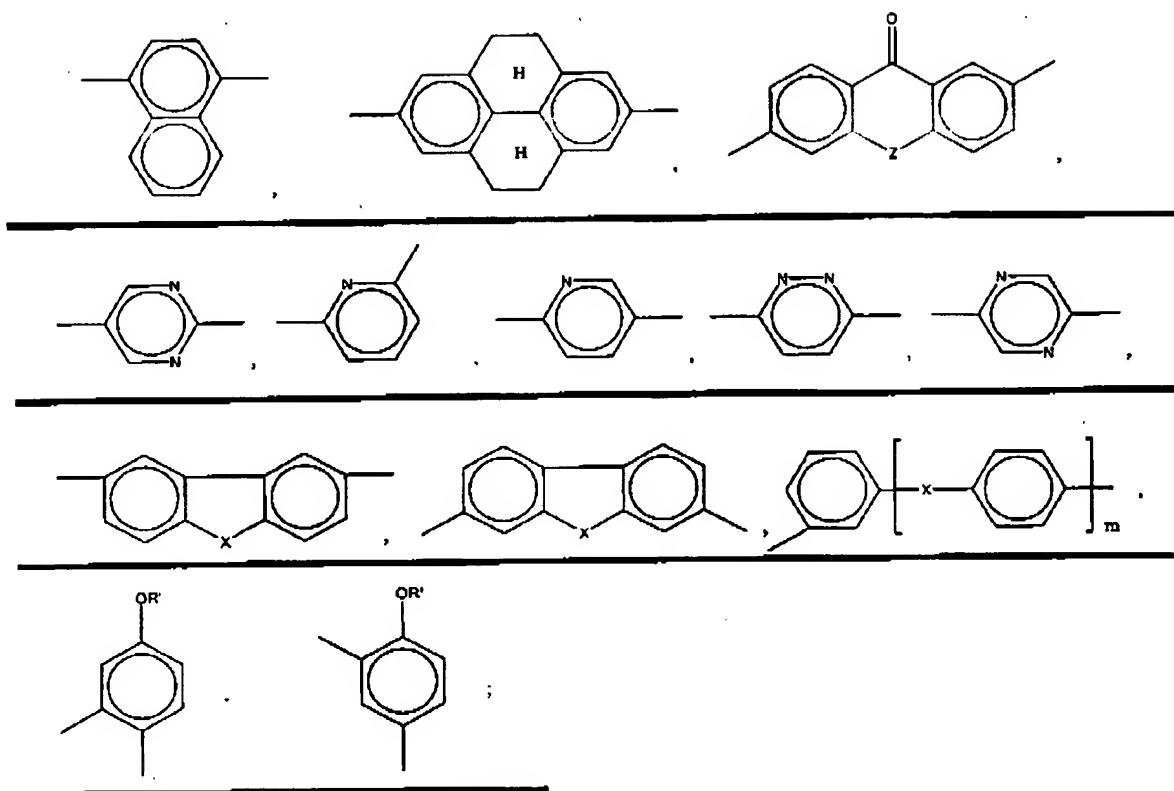
PATENT
512667-3479.2



wherein A^1 is selected from:



PATENT
512667-3479.2



where $m = 1$ to 20,

A^2 : has the same meanings as A^1 and is identical to or different from A^1 , of the two possible bonding sites to the polymer, in each case only one being realized;

A^1 and A^2 can be substituted here independently of one another by one or more radicals R ;

X : a single bond, $-O-$, $-S-$, $-SO-$, $-SO_2-$, $-CRR-$, $-CR=CR-$, $-CH_2-CH_2-$ or $-CHR-CHR-$;

Y : $-O-$, $-S-$ or $-NR'-$;

Z : identical or different $-O-$ or $-S-$;

R : identical or different at each occurrence and being H or an alkyl group having 1 to

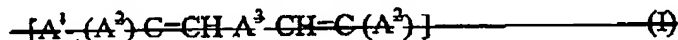
PATENT
512667-3479.2

12 carbon atoms, it also being possible for one or two non-adjacent CH₂ groups to be replaced by -O-, -S-, -CO-, -CO-O-, -O-OC- or -Si(CH₃)₂-;

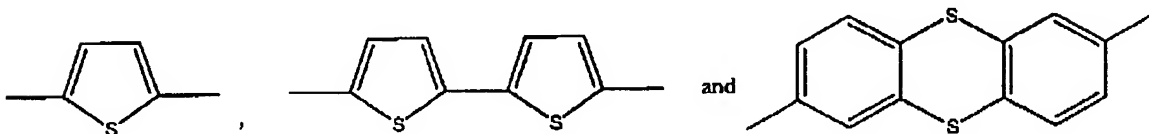
R': are independently, H, an alkyl group having 1 to 12 carbon atoms or -Ph.

17. (currently amended) ~~An electroluminescent material comprising one or more polymers containing structural units of the formula (I) as claimed in claim 11~~ The electroluminescent material of claim 16, wherein at least one of the radicals A¹ and/or A² must be a heterocyclic radical.

18. (currently amended) ~~A polymer containing structural units of the formula (I)~~



~~in which A¹, A² and A³ are identical or different mono- and/or polynuclear aryl and/or heteroaryl groups which are optionally linked via one or more bridges, and/or fused and can optionally be substituted, and in which in each case two bonds originate from A¹ and A² and in each case one bond originates from A³;~~
with the proviso that The electroluminescent material of claim 17, wherein the one of the radicals A¹, A² or A³ must be a heterocyclic radical is selected from the group consisting of:

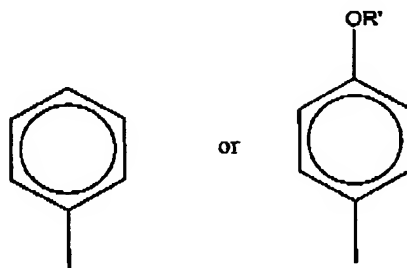


where optionally, one of the bonds is not realized.

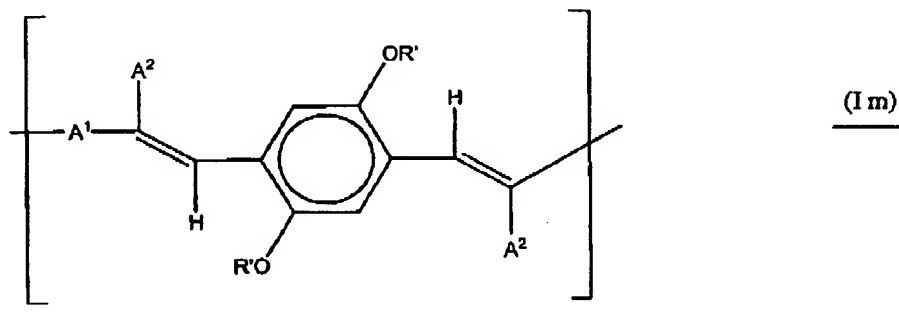
19. (currently amended) ~~An electroluminescent device having one or more active layers, wherein at least one of these active layers comprises a polymer~~ an electroluminescent material ~~as claimed in claim 11 as electroluminescent material.~~

PATENT
512667-3479.2

20. (currently amended) The electroluminescent material as claimed in claim 16, wherein A² is: 11 wherein A¹, A³, and A³ are linked via one bridge

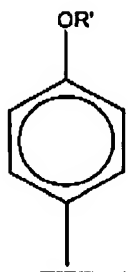


21. (currently amended) The electroluminescent material as claimed in claim 16, wherein the polymer containing structural units of the formula (I) originates from the group (I m):



and R' is CH₃ or C₈H₁₇, 13, wherein m is 1, 2 or 13.

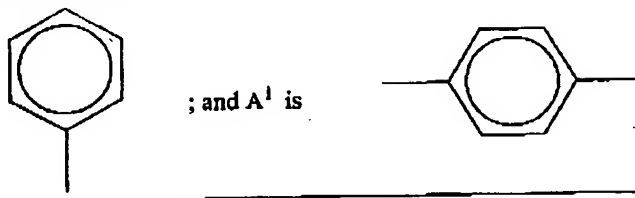
22. (currently amended) The electroluminescent material as claimed in claim 20, wherein A² is:



and R' for A² is CH₃ or C₆H₅, 13, wherein m is 1.

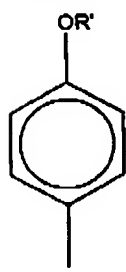
PATENT
512667-3479.2

23. (currently amended) The electroluminescent material as claimed in claim 13, wherein for A^2 , $m=1$ 20, wherein A^2 is



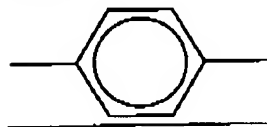
24. (currently amended) The electroluminescent material as claimed in claim 22, wherein

A^2 is:



and R' for A^2 is CH_3 ; and

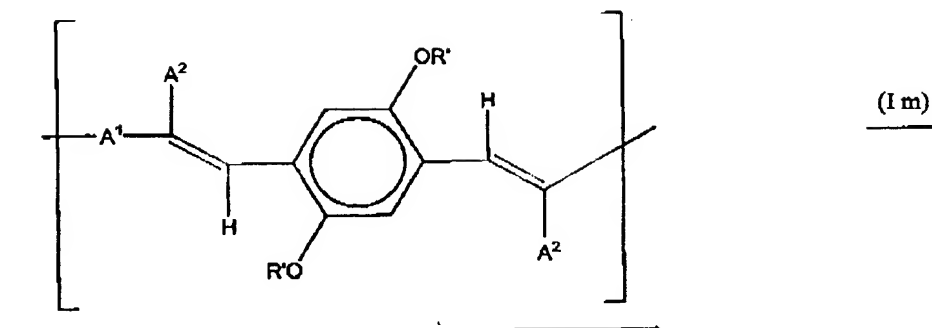
A^1 is:



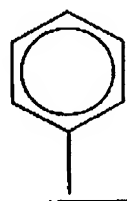
14, wherein m is 1, 2 or 3.

25. (currently amended) The electroluminescent material as claimed in claim 14, wherein m is 1 21, wherein the polymer containing structural units of the formula (I) originates from the group (I m):

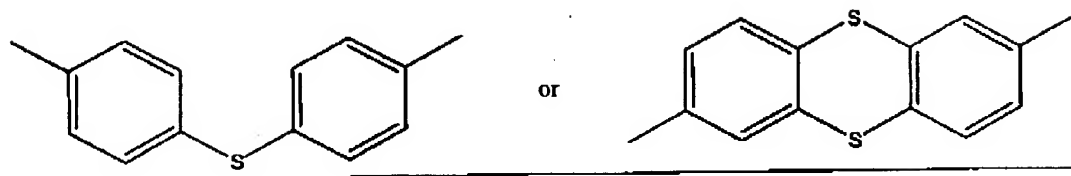
PATENT
512667-3479.2



wherein A^2 is:

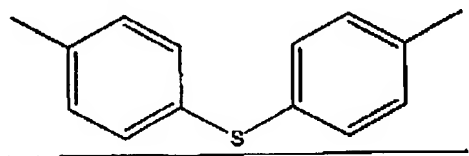


and A^1 is:

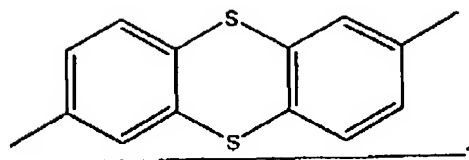


and R' is C_8H_{17} .

26. (currently amended) The electroluminescent material as claimed in claim 14, wherein R is H 25, wherein A^1 is:

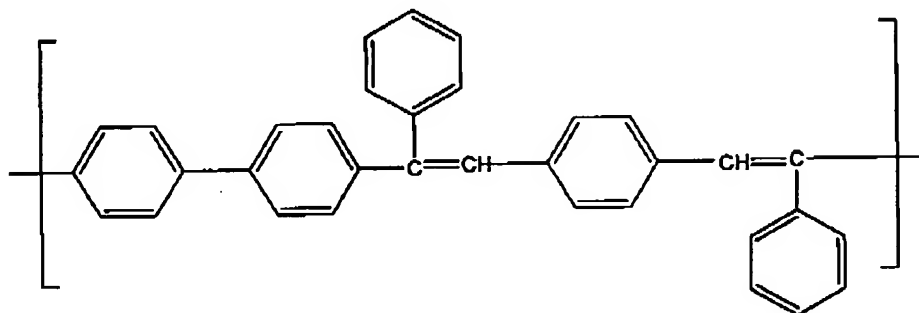


27. (currently amended) The electroluminescent material as claimed in claim 14, wherein for A^2 , $m > 1$ 25, wherein A^1 is:

PATENT
512667-3479.2

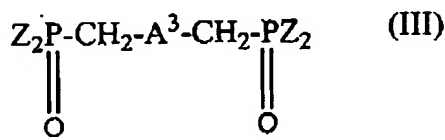
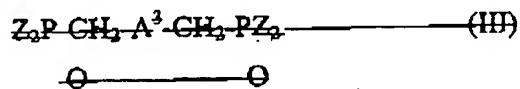
28. (currently amended) The electroluminescent material as claimed in claim 16, wherein the polymer is a copolymer containing structural units of the formula (I) 27, in which A^1 , A^2 , and A^3 are linked via one bridge.

29. (currently amended) The electroluminescent material as claimed in claim 16 28, in which A^1 , A^2 and A^3 are linked via one bridge which comprises of a polymer wherein the polymer contains structural units of the formula:



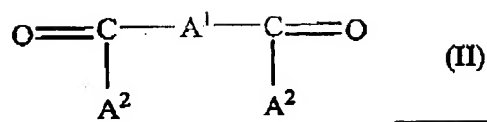
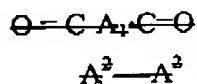
30. (currently amended) A process for the production of an electroluminescent material, which comprises

a) subjecting an organophosphorus compound of the formula (III)

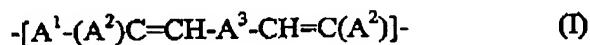


to a condensation reaction with a diketone of the formula (II)

PATENT
512667-3479.2



under the action of a basic condensing agent, providing a polymer containing structural units of the formula (I)



in which A¹, A² and A³ are identical or different mono- and/or polynuclear aryl and/or hetero-aryl groups which are optionally linked via one or more bridges, and/or condensed and can optionally be substituted, and in which in each case two bonds originate from A¹ and A³ and in each case one bond originates from A²; and

wherein Z is selected from the group consisting of alkoxy and aryl radicals; and

b) applying the resulting polymer to a substrate.